

# HDBaseT 3.0 Extender

## Professional A/V & KVM



### Dual Head KVM Extender KEX-HBT3-DH90

Supports Dual 4K60 HDMI Video over Single CATx  
With 720P Video Return, Audio Embedding/Extracting,  
Audio, RS-232 and USB 2.0 Extension, 70 ~ 100m  
EDID Management Support for Dual 4K, ATC & Medical Resolutions

### Product Features

- ☆ Enables reliable 70 ~ 100m remote access to a 4K60 HDMI 2.0 Dual-Head computer via a CAT6a/7 cable.
- ☆ Popular resolutions supported by the HDMI 2.0 video up to 4K@60Hz (4:4:4), 5K, 2048x2048 (ATC) and 6MP (Medical).
- ☆ EDID Management supports both popular and industry specific resolutions to mitigate monitor incompatibility, and also supports scale up or down of video at same aspect ratio.
- ☆ HDCP 2.2 and 1.4 Compliance ensures proper HDCP video playback (HDCP version auto select).
- ☆ USB 2.0 Extension supports keyboard, mouse, USB devices etc.
- ☆ HDBaseT 3.0 Technology allows uncompressed HDMI extension.
- ☆ Video Return Mode allows an auxiliary 720P video from the Receiver.
- ☆ Serial Extension facilitates integration with RS-232 Control System.
- ☆ Audio Extension allows flexible audio/mic applications.
- ☆ Audio embedding allows the replacement of HDMI Audio with the Analog Audio Input ( Audio Embed On / Off controllable at both the Transmitter and the Receiver ).
- ☆ Audio extracting allows the replacement of the Analog Audio Output of the Receiver with the Primary HDMI Audio.



# HDBT<sup>TM</sup> ASE HDBaseT 3.0

## KEX-HBT3-DH90

### Specifications

KEX-HBT3-DH90		Transmitter Unit	Receiver Unit
<b>Max Resolution</b>		Dual 5120 x 1440 @60Hz (4:4:4) Dual 3840 x 2160 @60Hz (4:4:4)	
<b>EDID Management</b>		Supports setting of EDID and scale up/down of videos with same aspect ratios: <ul style="list-style-type: none"> <li>Dual 5120x1440 @60Hz</li> <li>Dual 3840x2160 @60Hz</li> <li>Dual 3840x2160 @30Hz</li> <li>Dual 2560x2880 @50Hz</li> <li>Dual 2560x1440 @60Hz</li> <li>Dual 2560x1080 @60Hz</li> <li>Dual 2100x2800 @60Hz</li> <li>Dual 2048x2048 @60Hz</li> <li>Dual 1920x1920 @60Hz</li> <li>Dual 1920x1080 @60Hz</li> <li>Dual 1640x2048 @60Hz</li> <li>Dual 1536x2048 @60Hz</li> </ul>	
<b>Video Extension</b>	<b>Main</b>	Video Input x 2	Video Output x 2
	<b>AUX</b>	HDMI Out x 1 (720P Video Return)	HDMI Input x 1 (720P Video Return)
<b>HDCP Compliance</b>		HDCP 2.2 and HDCP 1.4	
<b>Link Port</b>		RJ-45 x 1 (CAT6a/7)	
<b>Extension Distance</b>		70 ~ 90m @ 4K60Hz (4:4:4)*	
<b>USB 2.0 Extension</b>		USB-B x 1 (To Host)	USB-A x 3 (Front) USB-A x 1 (Rear)
<b>Serial Extension</b>		RJ-11 x 1	RJ-11 x 1
<b>Audio Extension</b>		3.5mm Audio Input x 1 3.5mm MIC Output x 1	3.5mm Audio Output x 1 3.5mm MIC Input x 1
<b>Push Buttons</b>		Audio Embed x 1	Audio Embed x 1 Audio Extract x 1
<b>LED Indicators</b>		Status x 1 Input x 2	Status x 1 Input x 2
<b>Power Supply (Max) / Typical Consumption</b>		DC 12V/3A (36W) 17.5W (Typical)	DC 12V/3A (36W) 18.5 (Typical)
<b>H x W x D (mm)</b>		44 x 97 x 133	
<b>Operating Environment</b>		Temperature 0 ~ 50°C, Humidity 0 ~ 80%	
<b>Storage Temperature</b>		-20 ~ 60°C	

\* Extended distance depends largely on the quality of the cables. Certified HDBaseT 3.0 Premium cabling is recommended.

### Connection Diagram

